## DAILY ACTIVITY REPORT

Report #4	D	ATE	Jan 2	24, <u>20</u>	<u>17</u>		S	M	<u><b>T</b></u> W TH	F	S		
Field Investigation Manager: <u>Tim Thompson</u>													
	Bright Su <: Still Dry	<u>in</u> 32° Mod. <u>Mod.</u>	Clear to 32-45	° <u>4</u> Hig	<u> 5-60°</u>	/ 60-70°	Overcast 70-85°		Rain				
DAYTIME TIDES	<b>Date</b> 01/24	Tue 0	ime 4:11 AM 1										

TASK: ☐ Industrial Area Soils ☐ Industrial Area Groundwater ☐ Surface Water ☑ Sediment ☐ MIS

**SUBCONTRACTORS/VISITORS ON SITE:** Tim Thompson (SEE); David Browning (BES); Kim Hawkins (HDR); Hailey Fitterer (HDR), Susannah Edwards (Ecology), Dale Dickinson (MSS)

## EQUIPMENT ON SITE: MSS R/V Nancy Anne, MSS power grab

### WORK PERFORMED (INCLUDE ANY SAMPLES COLLECTED):

- 1. Completed grab samples at FSP-designated stations. Grab collection data is provided in Table 1.
- 2. A total of 9 individual grab stations were collected.
- 3. Each grab sample photographed and geotechnical notes recorded in field notebook (see attached notes).
- 4. Archived samples (16 oz) collected at each individual sampling location.
- 5. Equal volumes collected from each grab and composited into a single sample.

01/24 Tue 01:52 PM 10.35 H 01/24 Tue 08:57 PM -0.01 L

- a. Station and assigned blind lab IDs are provided in Table 1.
- 6. Composite samples held on ice and under COC secured at SEE for delivery to ARI on 1/25.
- 7. Archive samples transferred to CH2M personnel for transport to EPA Manchester Lab (see attached COC)

# QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

• Navigation checks done at NAID Channel Marker prior to initiating sampling.

### **HEALTH AND SAFETY LEVELS AND ACTIVITIES:**

**Tailgate Meeting Held** ✓

Date: 01/24/2017

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- H&S briefing held on-board the R/V Nancy Anne.
- Topics included slip-trip-fall, proper PPE including PFDs, person-overboard procedures, overhead hazards and pinch points.

### PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

• No problems encountered.

### **SPECIAL NOTES:**

• J9 and J10 grabs consisted largely of the Phase III cap gravel mix, with some deposition of silt. See Figure 1.

#### TOMORROW'S EXPECTATIONS:

- Transport composite samples to ARI
- Split, photograph and log cores collected on 1/20/2017 at ARI in Tukwila, WA.

## ATTACHMENTS:

- Figure 1. Grab Sample Photos for 1/24/2017
- Table 1 EHOU Core Collection Data
- Field Notebook Pages for 1/24/2017
- Chain-of-custody form for transport of individual archive samples to EPA Manchester lab.

PREPARED BY: Tim Thompson SIGNATURE: Filed electronically.

Figure 1. Grab Sample Photos 1/24/2017





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Figure 1. Grab Sample Photos 1/24/2017 (continued)





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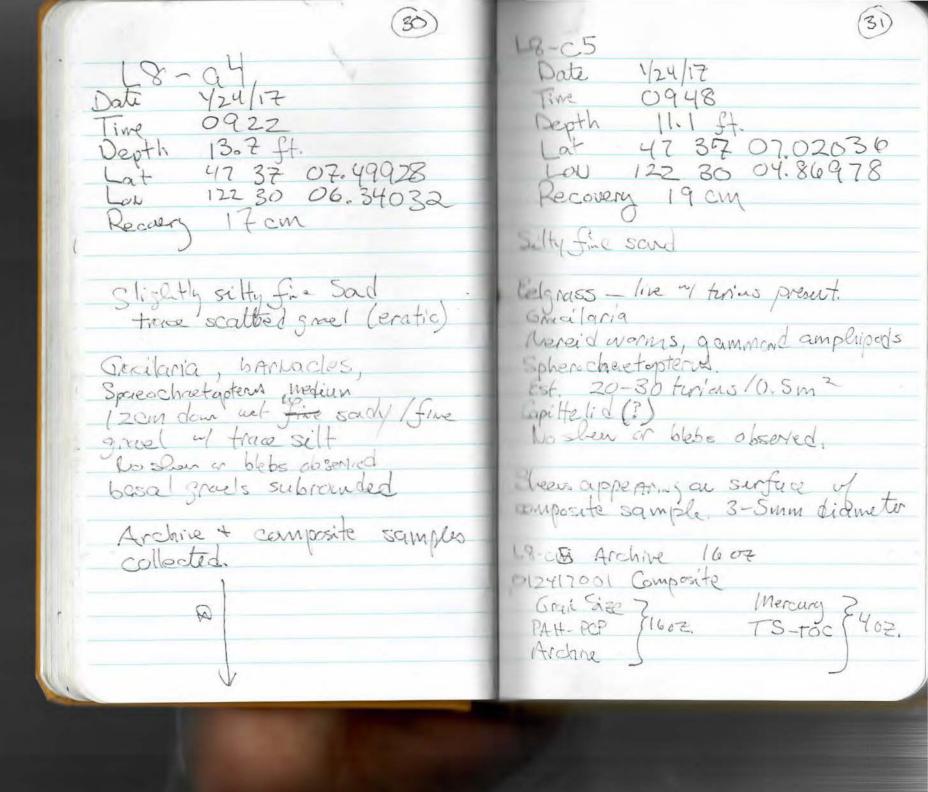


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Table 1. EHOU Grab Sample Collection Locations Jan 23, 2017

2016 Grid		FSP Target Sampling Locations		pling Locations	Actual Samp	ling Locations	Measured	Tidal Height at	Corrected	Depth of	Lydrocarbon	Blind	Blind Field
Cell	<b>Collection Date</b>	Collection Time	Latitude	Longitude	Latitude	Longitude	Water Depth	Time of	Collection	Sediment in	Hydrocarbon Present?	Sample ID	Replicate
Station		Tille	(NAD 83 N)	(NAD 83 W)	(NAD 83 N) (NAD 83 W)		(ft)	Collection	Depth (ft MLL)	Grab (cm)	Present	Sample 10	ID
L8-e2	1/24/2017	9:09:49	47°37.14217	122° 30.06017	47°37.14205	122° 30.06018	20.2	8.1	-12.1	25	yes		
L8-a4	1/24/2017	9:32:10	47°37.12483	122° 30.10583	47°37.12499	122° 30.10567	13.7	8.2	-5.5	17	no	012417001	
L8-c5	1/24/2017	9:48:43	47°37.11683	122° 30.08100	47°37.11701	122° 30.08116	11.1	8.3	-2.8	19	no		
J9-b3	1/24/2017	10:15:16	47°37.09417	122° 30.21517	47°37.09423	122° 30.21484	28.2	8.4	-19.8	25	no		
J9-b4	1/24/2017	10:35:06	47°37.08233	122° 30.21317	47°37.08238	122° 30.21259	30.4	8.7	-21.7	25	no	012417002	012417003
J9-c3	1/24/2017	11:00:09	47°37.08833	122° 30.19733	47°37.08806	122° 30.19681	17.4	9	-8.4	22	no		
J10-b2	1/24/2017	11:50:39	47°37.05550	122° 30.21367	47°37.05540	122° 30.21341	33.4	9.5	-23.9	21	no		
J10-b4	1/24/2017	12:06:30	47°37.04467	122° 30.20817	47°37.04443	122° 30.20836	32.4	9.7	-22.7	18	no	012417004	
J10-c2	1/24/2017	12:22:16	47°37.05633	122° 30.19783	47°37.05620	122° 30.19743	30.3	9.9	-20.4	22	no		

1/24/17 1012417001 Sample ID 0700 Obsite 17- R2 Dickinson 1/24/17 Onte Thompson Time 12 0909 Depth 20.2 Set up boot Lat 47 37 8. 52318N OU 122 30 03, 61074W OSIS Ouborn Pecalery 25 Hody Fitterer tim I tomokus Dae Browns Susahna Edwards (Ecology late: Triadverteity listed or "2016". Will wed to 0820 HUS Weeling - Sampling Plan make note to loab output - J94 JOB Potential Alts - Decon frid safety of braing engaric Sep-trip-fall Rightly five sondy clayer set serbed hazards thich points Polychotes Way Oversoon Olva, Gred laria, Gigatile + lea 0845 Underwoon Sugal 1-2 mm fucrets sher, At sulluater interfice & subsurface 0857 Nav Cleak 47 37 19.16052N 122 29 SO. 72922W



79 Field Replicate ID 012417003 J9-63 For the field replicate assigned to boild collected the of 1330 hrs. Date 1/24/17 10:15 live Depth 28,2 19-64 47 37 OS. 65398 N Onte 1/24/17 122 30 12,89028W 10:35 1) oth 30.4 st. 94305N Leadery 25 cm ou 122 30 12.75554W HeS swell. Rechercy 25 cm Let, slightly loran 19-64 Archie collected 1602, jar 168 smell - straig 6. 7 cm recont deposition of slightly fire sally silfy clog. Over shell with slightly saidy silfy clay
(30-40-2 shell) Crugau Shimp levet, soft, slightly fie and clayer sit Dark soid of surface Benear by muse shells, Gracialevia, laks shy Mayor of Disarticulated Prome dam shells Macoma Nacoma, No odor or solers (PAHs) No show or oil present. buil preject. J9 Sample ID 012417002

34 thick break on shoe J9-C3 Date 01/24/2017 11145 Back an site Time (1:00 Depth 17.4 (u) 012417004 Lat 47 37 05.28366'N Las 122° 30' 11.80866' W 110-65 Date 1/24/17 Recarry 22 cm Time 11:50 Depth 33.4 ft Fire grad Szam ou sedemnt Lat 47 37 03. 32400 Surface Some Shell hash, Silf a surface to 3 nm LON 122 30 12.80430 Medium-to-cognes and "/ trace sitt. Recount 21 cm Streng H2S The black sad as surface. IN Passible Phone III cap material? I this veneer of five oxic sit. Rended sub-growel Photo taken Material below trace said silty met day to ~4-5 cm. From 75 cm J9 composts 012417002 Grin Size ? Mercury 34 02 runded course sad, fire, gravel. Studen to PAH/PCPs (1602 TS/TOE) Phase II cap material Archive 110-62 graphic collected J9 Field Dup 012417003 GAM SOR 1602 15to 2402. Hochive .

JIO-by
Dote 1/24/17
Time 12:06
Depth 32.4
Lat 47 37 02.66596
Lou 122 30 12.50148
Recarry 18CM

Phroe III rended fire grovel miled with fire sand all some sitt

Almost exclusively Phase III waterial to the bottom of the Scab. Toward the bottom way down gravel (10 sit)

One solitory peanut worm

J10-64 Archive (16 02) collected.

Dote 1/24/17
Time 12:22
Depth 30.3
Lat 47 37 03.37/188
Low 122 30 11.84604
Recovery 22 CM

100-62 archive sample collected 1000 in sample. The research look, but silt ~ 4-5mm 1000 uet, est, trace fine said clay silt. 12cm. Phase III. cap material from 18cm (botton of grab). 11ght Shee in composate

J10 = 0124170004

GMil Seze > Hg 2402.
PAH/PCP / 1602 TOCHS 402.
Archir
MS/MSD

12:32 NAU Check 47 37 19.148 28 N 122 29 50, 69866 W **Chain of Custody Record & Laboratory Analysis Request** 

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Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or cosigned agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

**Chain of Custody Record & Laboratory Analysis Request** 

ARI Assigned Number:								3				Analyti	Analytical Resources, Incorporated Analytical Chemists and Consultants 611 South 134th Place, Suite 100		
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